

Remarks

Claims 18-23, 25-27, 29, 31-32 and 37-43 remain pending in the present application. Claims 1-17 and Claims 33-36 have been cancelled without disclaimer of the claimed subject matter.

PTO/SB/08 Initialed Copies

Applicant electronically filed two Information Disclosure Statements (IDS) on August 24, 2004 consisting of four pages of prior art U.S. Patents. Applicant respectfully requests an initialed copy of both of the electronically submitted IDS's. A copy of the electronically submitted IDS's is attached as Attachment A to this paper. Also in Attachment A are printouts of the confirmation of successful submittal of the two IDS's.

Applicant also submitted a paper-filed Information Disclosure Statement and PTO 1449 via first class mail on August 24, 2004. A copy of the Information Disclosure Statement mailed August 24, 2004, and the postal card stamped by the U.S. Patent and Trademark Office is attached as Attachment B. Applicant respectfully requests the Examiner to consider the prior art cited in the IDS mailed on August 24, 2004, and provide initialed copies of the PTO-1449 document included therein.

Applicant also submitted an Information Disclosure Statement (IDS) and PTO 1449 via first class mail on September 22, 2004. A copy of the Information Disclosure Statement mailed September 22, 2004, and the postal card stamped by the U.S. Patent and Trademark Office is attached as Attachment C. Applicant respectfully requests the Examiner to consider the prior art cited in the IDS mailed on September 22, 2004, and provide initialed copies of the PTO-1449 document included therewith.

Telephonic Interview

Sanders N. Hillis (Attorney for the Applicant) contacted the Examiner via telephone on September 28, 2004 to inquire about the status of Claims 16-17.

Claims 16-17 were identified as allowed in the Office Action Summary mailed September 8, 2004. The Examiner indicated that this was a typographical error and that Claims 16-17 were rejected as described on page 4 of the Office Action mailed September 8, 2004.

Claim Rejections

Claims 1-18 and 33-37 were rejected pursuant to 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,385,655 to Smith et al. Applicant has cancelled Claims 1-18 and 33-37, and these rejections are now moot.

Allowed Claims

Claims 18-23, 25-27, 29, 31-32 and 37-43 were indicated as allowed in the Office Action mailed September 8, 2004. Claims 24, 28 and 30 were also indicated as allowed, however Claims 24, 28 and 30 were cancelled in the office action response mailed on June 14, 2004.

Conclusion

This application is now in condition for allowance. Applicant respectfully requests the Examiner to issue a Notice of Allowance in due course. Should the Examiner deem a telephone conference to be beneficial in expediting allowance of

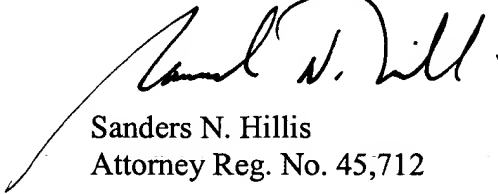
Serial No. 09/677,135

Filing Date: September 29, 2000

Reply to Office Action Mailed on September 8, 2004

this application, the Examiner is invited to call the undersigned attorney at the telephone number listed below.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Sanders N. Hillis", written over a horizontal line.

Sanders N. Hillis

Attorney Reg. No. 45,712

SNH/dlh

Attachments: Attachment A
Attachment B
Attachment C

BRINKS HOFER GILSON & LIONE

One Indiana Square, Suite 1600

Indianapolis, Indiana 46204

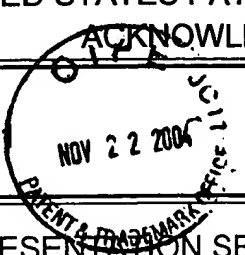
Telephone: 317-636-0886

Facsimile: 317-634-6701

UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of
InventionPRESENTATION SERVICE ARCHITECTURES FOR NETCENTRIC
COMPUTING SYSTEMS

Submission Type: Information Disclosure Statement

Application Number: 09/677135

09/677135

EFS ID: 67288

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	1621
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/

First Named Applicant: Yannis Arvanitis

Attorney Docket Number:

Timestamp: 2004-08-24 15:56:05 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)
us-ids	1002236IDS1-usidst.xml	9100
us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
package-data	1002236IDS1-pkda.xml	3243
package-data	package-data.dtd	27025
package-data	us-package-data.xsl	19263
Total files size		78420

Message Digest: e5cbab5ec52f67c7f4e59158977a16cdb2b20470

Digital Certificate Holder Name: cn=Sanders N. Hillis,ou=Registered Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S.
Government,c=US



TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	PRESENTATION SERVICE ARCHITECTURES FOR NETCENTRIC COMPUTING SYSTEMS	
Application Number: 09/677135 *09/677135*		
Date: 2000-09-29		
First Named Applicant: Yannis S Arvanitis		
Confirmation Number: 1621		
Attorney Docket Number:		
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted by:	Elec. Sign.	Sign. Capacity
Sanders N Hillis Registered Number: 45712	/Sanders N Hillis/	Attorney

Documents being submitted

us-ids

Files

1002236IDS1-usidst.xml

us-ids.dtd

us-ids.xsl

Comments

In compliance with the duty of disclosure under 37 CFR Section 1.56, it is respectfully requested that this Information Disclosure Statement be entered and that the documents listed in this statement be considered by the Examiner and made of record in this case. Applicants are informed that no electronic Form 1449 is available or necessary to complete the filing of this Information Disclosure Statement. If the Examiner requires a paper Form 1449 in order to make these documents of record, the Examiner is requested to so inform Applicants, who are willing to supply the forms. In accordance with 37 CFR Section 1.97g and h, this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to the patentability as defined in 37 CFR Section 1.56b. Applicants respectfully request that the listed documents be made of record in the present case. This Information Disclosure Statement is for our Attorney Docket No. 1002236. This is electronic Information Disclosure Statement 1 of 2, filed today, August 24, 2004. A paper Information Disclosure Statement containing Foreign Art and Other Art has also been submitted today, August 24, 2004. The \$180.00 required fee has been included in the paper filing. Therefore, no fees are included here. Please charge any additional fees required under CFR Section 1.16 and 1.17 to Deposit Account 231925.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0



**Title of
Invention**

**PRESENTATION SERVICE ARCHITECTURES FOR
NETCENTRIC COMPUTING SYSTEMS**

Application Number: 09/677135

09/677135

Confirmation Number: 1621

First Named Applicant: Yannis Arvanitis

Attorney Docket Number:

Art Unit: 2173

Examiner: Cao Nguyen

Search string: (6742015 or 6715145 or 6707812 or 6704303 or 6697824 or
6640249 or 6640244 or 6640238 or 6636242 or 6615253 or
6615199 or 6611867 or 6606660 or 6601234 or 6601192 or
6578068 or 6571282 or 6556659 or 6550057 or 6549949 or
6542593 or 6539396 or 6529909 or 6496850 or 6477665 or
6477580 or 6449588 or 6442748 or 6442547 or 6438594 or
6434628 or 6434568 or 6427132 or 6426948 or 6370573 or
6345239 or 6339832 or 6332163 or 6324647 or 6195697 or
6147975 or 6081518 or 6502213 or 20010052108 or
20020120553 or 20020133328 or 20030058277 or
20040030705 or 20040030749).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6742015	2004-05-05	Bowman Amuah			
	2	6715145	2004-03-30	Bowman Amuah	B1		
	3	6707812	2004-03-16	Bowman Amuah	B1		
	4	6704303	2004-03-09	Bowman Amuah	B1		
	5	6697824	2004-02-24	Bowman Amuah	B1		
	6	6640249	2003-10-28	Bowman Amuah	B1		
	7	6640244	2003-10-28	Bowman Amuah	B1		
	8	6640238	2003-10-28	Bowman Amuah	B1		
	9	6636242	2003-10-21	Bowman Amuah	B2		

	10	6615253	2003-09-02	Bowman Amuah	B1
	11	6615199	2003-09-02	Bowman Amuah	B1
	12	6611867	2003-08-26	Bowman Amuah	B1
	13	6606660	2003-08-12	Bowman Amuah	B1
	14	6601234	2003-07-29	Bowman Amuah	B1
	15	6601192	2003-07-29	Bowman Amuah	B1
	16	6578068	2003-07-10	Bowman Amuah	B1
	17	6571282	2003-05-27	Bowman Amuah	B1
	18	6556659	2003-04-29	Bowman Amuah	B1
	19	6550057	2003-04-15	Bowman Amuah	B1
	20	6549949	2003-04-15	Bowman Amuah	B1
	21	6542593	2003-04-01	Bowman Amuah	B1
	22	6539396	2003-03-25	Bowman Amuah	B1
	23	6529909	2003-03-04	Bowman Amuah	B1
	24	6496850	2002-12-17	Bowman Amuah	B1
	25	6477665	2002-11-05	Bowman Amuah	B1
	26	6477580	2002-11-05	Bowman Amuah	B1
	27	6449588	2002-09-10	Bowman Amuah	B1
	28	6442748	2002-08-27	Bowman Amuah	B1
	29	6442547	2002-08-27	Bowman Amuah	B1
	30	6438594	2002-08-20	Bowman Amuah	B1
	31	6434628	2002-08-13	Bowman Amuah	B1
	32	6434568	2002-08-13	Bowman Amuah	B1
	33	6427132	2002-07-30	Bowman Amuah	B1
	34	6426948	2002-07-30	Bowman Amuah	B1
	35	6370573	2002-04-09	Bowman Amuah	B1
	36	6345239	2002-02-05	Bowman Amuah	B1
	37	6339832	2002-01-15	Bowman Amuah	B1
	38	6332163	2001-12-18	Bowman Amuah	B1
	39	6324647	2001-11-27	Bowman Amuah	B1
	40	6195697	2001-02-27	Bowman Amuah	B1
	41	6147975	2000-11-14	Bowman Amuah	B1
	42	6081518	2000-06-27	Bowman Amuah	B1
	43	6502213	2002-12-31	Bowman Amuah	B1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20010052108	2001-12-13	Bowman Amuah			
	2	20020120553	2002-08-29	Bowman Amuah			
	3	20020133328	2002-09-19	Bowman Amuah			
	4	20030058277	2003-03-27	Bowman Amuah			
	5	20040030705	2004-02-14	Bowman Amuah			
	6	20040030749	2004-02-14	Bowman Amuah			

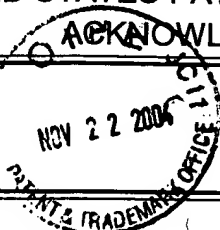
Signature

Examiner Name	Date

UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of
InventionPRESENTATION SERVICE ARCHITECTURES FOR NETCENTRIC
COMPUTING SYSTEMS

Submission Type: Information Disclosure Statement

Application Number: 09/677135

09/677135

EFS ID: 67291

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	1621
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/

First Named Applicant: Yannis Arvanitis

Attorney Docket Number:

Timestamp: 2004-08-24 16:04:53 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)
us-ids	1002236IDS2-usidst.xml	1758
us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
package-data	1002236IDS2-pkda.xml	3243
package-data	package-data.dtd	27025
package-data	us-package-data.xsl	19263
Total files size		71078

Message Digest: a8c8babfdccde437f7915dd76fb0a034a840f44d

Digital Certificate Holder Name: cn=Sanders N. Hillis,ou=Registered Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S.
Government,c=US

Electronic Version v1.1 Stylesheet Version v1.1.0	OFFICE TRANSMITTAL NOV 22 2004 PATENT & TRADEMARK OFFICE
--	--

Title of Invention	PRESENTATION SERVICE ARCHITECTURES FOR NETCENTRIC COMPUTING SYSTEMS	
Application Number: 09/677135 *09/677135*		
Date: 2000-09-29		
First Named Applicant: Yannis S Arvanitis		
Confirmation Number: 1621		
Attorney Docket Number:		
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted by:	Elec. Sign.	Sign. Capacity
Sanders N Hillis Registered Number: 45712	/Sanders N Hillis/	Attorney

Documents being submitted

us-ids

Files

1002236IDS2-usidst.xml

us-ids.dtd

us-ids.xsl

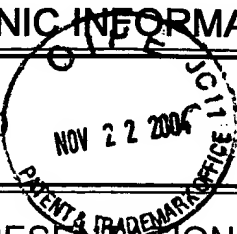
Comments

In compliance with the duty of disclosure under 37 CFR Section 1.56, it is respectfully requested that this Information Disclosure Statement be entered and that the documents listed in this statement be considered by the Examiner and made of record in this case. Applicants are informed that no electronic Form 1449 is available or necessary to complete the filing of this Information Disclosure Statement. If the Examiner requires a paper Form 1449 in order to make these documents of record, the Examiner is requested to so inform Applicants, who are willing to supply the forms. In accordance with 37 CFR Section 1.97g and h, this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to the patentability as defined in 37 CFR Section 1.56b. Applicants respectfully request that the listed documents be made of record in the present case. This Information Disclosure Statement is for our Attorney Docket No. 1002236. This is electronic Information Disclosure Statement 2 of 2, filed today, August 24, 2004. A paper Information Disclosure Statement containing Foreign Art and Other Art has also been submitted today, August 24, 2004. The \$180.00 required fee has been included in the paper filing. Therefore, no fees are included here. Please charge any additional fees required under CFR Section 1.16 and 1.17 to Deposit Account 231925.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

**Title of
Invention****PRESENTATION SERVICE ARCHITECTURES FOR
NETCENTRIC COMPUTING SYSTEMS**

Application Number: 09/677135

09/677135

Confirmation Number: 1621

First Named Applicant: Yannis Arvanitis

Attorney Docket Number:

Art Unit: 2173

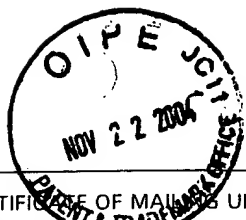
Examiner: Cao Nguyen

Search string: (6366912 or 6457066 or 6321261 or 5911071 or 6067577 or
5602997).pn.**US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6366912	2002-04-02	Wallent et al	B1		
	2	6457066	2002-09-24	Mein et al	B1		
	3	6321261	2001-11-20	Luzzi et al	B1		
	4	5911071	1999-06-08	Jordan			
	5	6067577	2000-05-23	Beard			
	6	5602997	1997-02-11	Carpenter et al			

Signature**Examiner Name****Date**



CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA, 22313-1450, on the below date:
Date: AUG 24, 2004 Name: Sanders N. Hillis Signature: [Signature]

BRINKS
HOFER
GILSON
& LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Yannis S. Arvanitis et al.

Appln. No.: 09/677,135

Filed: September 29, 2000

For: PRESENTATION SERVICE
ARCHITECTURES FOR NETCENTRIC
COMPUTING SYSTEMS

Examiner: Cao Nguyen

Art Unit: 2173

Attorney Docket No: 10022/36

[Choose Mail Stop or blank line]
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Transmittal Letter (in dup.); Information Disclosure Statement (in dup.); Form PTO-1449; 6 cited references and check in the amount of \$180.00
- ☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
- ☐ A petition or processing fee in an amount of \$_____ under 37 C.F.R. § 1.17(_____).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☒ A check in the amount of \$180.00 is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

AUGUST 24, 2004
Date

[Signature]
Sanders N. Hillis (Reg. No. 45,712)



CERTIFICATE OF MAILING

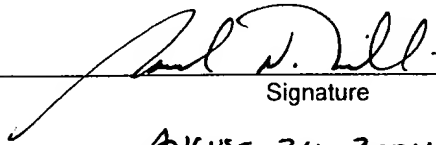
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope, with sufficient postage, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

AUGUST 24, 2004

Date of Deposit

Sanders N. Hillis

Name of Applicant, Assignee or
Registered Representative



Signature

AUGUST 24, 2004

Date of Signature

Our Case No.: 10022/36

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yannis S. Arvanitis et al.

Serial No.: 09/677,135

Filing Date: September 29, 2000

For: PRESENTATION SERVICE
ARCHITECTURES FOR
NETCENTRIC COMPUTING
SYSTEMS

Examiner: Cao Nguyen

Group Art Unit No.: 2173

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and

made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

OTHER ART

1. Engestrom, J., "Software Agents, Towards Transparent Mediation, A Technology Report for Salama Interactive," Jan. 1999, pp. 1-19.
2. Morris, K.C. and Flater, D., "Standards-based software testing in a Net-Centric World" pp. 1-8 (cited by Examiner, no date given)
3. Raje, R. and Chinnasamy, S., "Designing a distributed computing environment for global scale systems: challenges and issues," ACM SIGAPP Applied Computing Review, Vol. 7, Issue 1, Spring 1999, pages 25-30
4. Copy of co-pending patent application, U.S. Patent Application Serial No. 09/386,917, filed August 31, 1999; 340 pages, Inventor Michael K. Bowman-Amuah
5. Copy of co-pending patent application, U.S. Patent Application Serial No. 10/647,411, filed August 25, 2003; 22 pages, Inventor Michael K. Bowman-Amuah
6. Copy of co-pending patent application, U.S. Patent Application Serial No. 09/387,654, filed August 31, 1999; 818 pages, Inventor Michael K. Bowman-Amuah

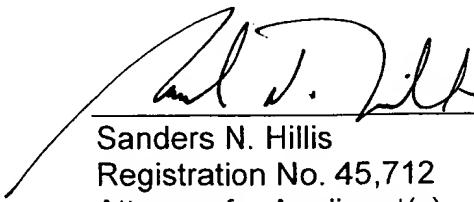
In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The submission of this Information Disclosure Statement is for other art. A separate submission of U.S. patent references and published U.S. patent applications has been made electronically on the same date as this Information Disclosure Statement. Applicants are informed that the electronic Information Disclosure Statement need not include an electronic Form 1449. If the Examiner requires paper Forms 1449 to assist in making the documents submitted electronically of record, the Examiner is requested to so inform Applicants, who will be happy to submit paper Forms 1449 covering the electronic IDS submissions.

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 for all submissions, including the electronic submissions mentioned above is enclosed herewith. Should the enclosed check be insufficient, omitted or should any additional fees be deemed necessary under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

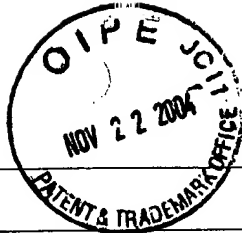
Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Sanders N. Hillis
Registration No. 45,712
Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE
P.O. Box 10395
Chicago, IL 60610
(312) 321-4200



FORM PTO-1449	SERIAL NO. 09/677,135	CASE NO. 10022/36
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 2173
(use several sheets if necessary)	APPLICANT(S): Yannis S. Arvanitis et al.	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)</small>	
	A1	Engestrom, J., "Software Agents, Towards Transparent Mediation, A Technology Report for Salama Interactive," Jan. 1999, pp. 1-19.
	A2	Morris, K.C. and Flater, D., "Standards-based software testing in a Net-Centric World" pp. 1-8 (cited by Examiner, no date given)
	A3	Raje, R. and Chinnasamy, S., "Designing a distributed computing environment for global scale systems: challenges and issues," ACM SIGAPP Applied Computing Review, Vol. 7, Issue 1, Spring 1999, pages 25-30
	A4	Copy of co-pending patent application, U.S. Patent Application Serial No. 09/386,917, filed August 31, 1999; 340 pages, Inventor Michael K. Bowman-Amuah
	A5	Copy of co-pending patent application, U.S. Patent Application Serial No. 10/647,411, filed August 25, 2003; 22 pages, Inventor Michael K. Bowman-Amuah
	A6	Copy of co-pending patent application, U.S. Patent Application Serial No. 09/387,654, filed August 31, 1999; 818 pages, Inventor Michael K. Bowman-Amuah

EXAMINER	DATE CONSIDERED
----------	-----------------

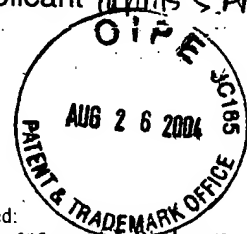
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Case No. 10022/36
Applicant Yannis S. Arvanitis et al.

Direct
Wash
Pleas

Serial No. 09/677,135
Applicant: YANNIS S. ARVANITIS ET AL.
Client/Matter No.: 10022/36
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



Please acknowledge receipt of the below identified:
Items Mailed: Transmittal Letter (in dup.); Information Disclosure
Statement (in dup.); Form PTO 1419; 6 cited references; check in the amount
of \$180.00 and return postcard.

BRINKS HOFER GILSON & LIONE
By: Sanders N. Hillis, Reg. No. 45,712
Date of Mailing: August 24, 2004

By SNH



BRINKS HOFER GILSON & LIONE
RECEIVED
BRINKS HOFER GILSON & LIONE
A PROFESSIONAL CORPORATION
P.O. BOX 10395
CHICAGO, ILL 60610
RECEIVED
U.S. DOCKET





ATTACHMENT C - 5 PAGES
PAPER-FILED IDS OF SEPTEMBER 22, 2004

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: September 22, 2004 Name: Deanna L. Hasler

Signature: *Deanna L. Hasler*

**BRINKS
HOFER
GILSON
& LIONE**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Yannis S. Arvanitis et al.

Serial No.: 09/677,135

Filed: September 29, 2000

For: PRESENTATION SERVICE ARCHITECTURES
FOR NETCENTRIC COMPUTING SYSTEMS



Group Art Unit: 2173

Examiner: Cao H. Nguyen

Confirmation No. 1621

TRANSMITTAL

MAIL STOP AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is/are:

- ☒ Fourth Supplemental Information Disclosure Statement, PTO Form 1449 and Four (4) cited references
- ☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$_____ for a _____-month extension of time under 37 C.F.R. § 1.136(a).
- ☒ A petition or processing fee in an amount of \$180.00 under 37 C.F.R. § 1.17(p).
- ☐ An additional filing fee has been calculated as shown below:

					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

Fee payment:

- ☒ A check in the amount of \$180.00 to cover the above-identified fee(s) is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$_____. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$_____ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925. A copy of this Transmittal is enclosed for this purpose.

Date

SEP 22, 2004

Respectfully submitted,

Sanders N. Hillis
Sanders N. Hillis (Reg. No. 45,712)



Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 22, 2004.

Deanna L. Hasler
Deanna L. Hasler

Our Case No.: 10022/036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yannis S. Arvanitis et al.

Serial No.: 09/677,135

Filing Date: September 29, 2000

For: PRESENTATION SERVICE ARCHITECTURES
FOR NETCENTRIC COMPUTING SYSTEMS

Examiner: Cao H. Nguyen

Group Art Unit No.: 2173

Confirmation No. 1621

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Fourth Supplemental Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

Non-Patent Literature Documents
Copyright Registration for Netcentric Computing: Computing, Communications and knowledge, Reg. 9 Jan. 98, p. 1
Kramer, D., "The Java™ Platform: A White Paper, JavaSoft, pp. 1-25, May 1996.
www.empowermentzone.com/javacomp.txt, Sun Microsystems, pp. 1-18, 1996.

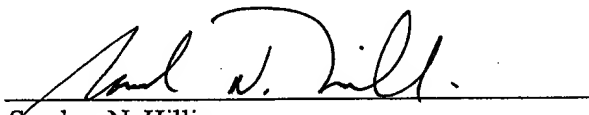
In accordance with 37 C.F.R. § 1.97(g),(h), this Fourth Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed

to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Pursuant to 37 C.F.R. § 1.97(d), this Fourth Supplemental Information Disclosure Statement is being filed on or before the payment of the issue fee. In addition, pursuant to 37 C.F.R. § 1.97(e), no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of the information disclosure statement. A fee as set forth in 37 C.F.R. § 1.97(d)(2) in the amount of \$180.00 is enclosed herewith. Should the enclosed check be insufficient, omitted or should any additional fees be deemed necessary under 37 C.F.R. §§ 1.16 to 1.21 for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,


Sanders N. Hillis
Registration No. 45,712
Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE
One Indiana Square, Suite 1600
Indianapolis, IN 46204
(317) 636-0886

FORM PTO-1449	SERIAL NO. 09/677,135	CASE NO. 10022/036
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 2173
(use several sheets if necessary)	APPLICANT(S): Yannis S. Arvanitis et al.	

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS
1	U.S. Pat. 2,800,000
2	U.S. Pat. 2,800,000
3	U.S. Pat. 2,800,000
4	U.S. Pat. 2,800,000
5	U.S. Pat. 2,800,000
6	U.S. Pat. 2,800,000
7	U.S. Pat. 2,800,000
8	U.S. Pat. 2,800,000
9	U.S. Pat. 2,800,000
10	U.S. Pat. 2,800,000
11	U.S. Pat. 2,800,000
12	U.S. Pat. 2,800,000
13	U.S. Pat. 2,800,000
14	U.S. Pat. 2,800,000
15	U.S. Pat. 2,800,000
16	U.S. Pat. 2,800,000
17	U.S. Pat. 2,800,000
18	U.S. Pat. 2,800,000
19	U.S. Pat. 2,800,000
20	U.S. Pat. 2,800,000
21	U.S. Pat. 2,800,000
22	U.S. Pat. 2,800,000
23	U.S. Pat. 2,800,000
24	U.S. Pat. 2,800,000
25	U.S. Pat. 2,800,000
26	U.S. Pat. 2,800,000
27	U.S. Pat. 2,800,000
28	U.S. Pat. 2,800,000
29	U.S. Pat. 2,800,000
30	U.S. Pat. 2,800,000
31	U.S. Pat. 2,800,000
32	U.S. Pat. 2,800,000
33	U.S. Pat. 2,800,000
34	U.S. Pat. 2,800,000
35	U.S. Pat. 2,800,000
36	U.S. Pat. 2,800,000
37	U.S. Pat. 2,800,000
38	U.S. Pat. 2,800,000
39	U.S. Pat. 2,800,000
40	U.S. Pat. 2,800,000
41	U.S. Pat. 2,800,000
42	U.S. Pat. 2,800,000
43	U.S. Pat. 2,800,000
44	U.S. Pat. 2,800,000
45	U.S. Pat. 2,800,000
46	U.S. Pat. 2,800,000
47	U.S. Pat. 2,800,000
48	U.S. Pat. 2,800,000
49	U.S. Pat. 2,800,000
50	U.S. Pat. 2,800,000
51	U.S. Pat. 2,800,000
52	U.S. Pat. 2,800,000
53	U.S. Pat. 2,800,000
54	U.S. Pat. 2,800,000
55	U.S. Pat. 2,800,000
56	U.S. Pat. 2,800,000
57	U.S. Pat. 2,800,000
58	U.S. Pat. 2,800,000
59	U.S. Pat. 2,800,000
60	U.S. Pat. 2,800,000
61	U.S. Pat. 2,800,000
62	U.S. Pat. 2,800,000
63	U.S. Pat. 2,800,000
64	U.S. Pat. 2,800,000
65	U.S. Pat. 2,800,000
66	U.S. Pat. 2,800,000
67	U.S. Pat. 2,800,000
68	U.S. Pat. 2,800,000
69	U.S. Pat. 2,800,000
70	U.S. Pat. 2,800,000
71	U.S. Pat. 2,800,000
72	U.S. Pat. 2,800,000
73	U.S. Pat. 2,800,000
74	U.S. Pat. 2,800,000
75	U.S. Pat. 2,800,000
76	U.S. Pat. 2,800,000
77	U.S. Pat. 2,800,000
78	U.S. Pat. 2,800,000
79	U.S. Pat. 2,800,000
80	U.S. Pat. 2,800,000
81	U.S. Pat. 2,800,000
82	U.S. Pat. 2,800,000
83	U.S. Pat. 2,800,000
84	U.S. Pat. 2,800,000
85	U.S. Pat. 2,800,000
86	U.S. Pat. 2,800,000
87	U.S. Pat. 2,800,000
88	U.S. Pat. 2,800,000
89	U.S. Pat. 2,800,000
90	U.S. Pat. 2,800,000
91	U.S. Pat. 2,800,000
92	U.S. Pat. 2,800,000
93	U.S. Pat. 2,800,000
94	U.S. Pat. 2,800,000
95	U.S. Pat. 2,800,000
96	U.S. Pat. 2,800,000
97	U.S. Pat. 2,800,000
98	U.S. Pat. 2,800,000
99	U.S. Pat. 2,800,000
100	U.S. Pat. 2,800,000

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO

**EXAMINE
R
INITIAL**

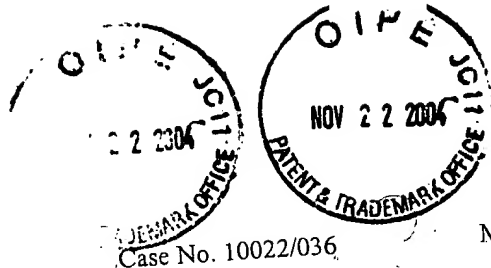
OTHER ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINE R INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS	
	(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	E1	Copyright Registration for Netcentric Computing: Computing, Communications and knowledge, Reg. 9 Jan. 98, p. 1
	E2	Kramer, D., "The Java™ Platform: A White Paper, JavaSoft, pp. 1-25, May 1996.
	E3	www.empowermentzone.com/javacomp.txt, Sun Microsystems, pp. 1-18, 1996.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Mailed: September 22, 2004

Case No. 10022/036

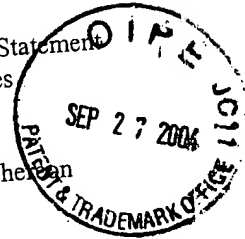
Applicants: Yannis S. Arvanitis et al.

Serial No.: 09/677,135

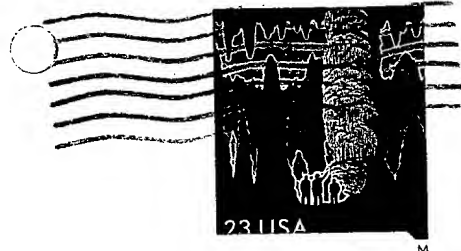
Filed: September 29, 2000

For: PRESENTATION SERVICE ARCHITECTURES FOR
NETCENTRIC COMPUTING SYSTEMS

XX Check in the amount of \$180.00
XX Transmittal (in duplicate)
XX Fourth Supplemental Information Disclosure Statement
XX PTO Form 1449 and Three (3) cited references
XX Postal Card



The stamp of the U.S. Patent and Trademark Office hereon
indicates receipt of the above-identified documents.



Sanders N. Hillis, Esq.

BRINKS HOFER GILSON & LIONS

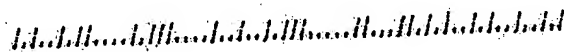
One Indiana Square, Suite 1600

Indianapolis, IN 46204

RECEIVED

SEP 30 2004

BRINKS, HOFER,
GILSON & LIONS



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:...

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.